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NEW MEXICO ENVIRONMENT DEPARTMENT

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BUTCH TONGATE
Cabinet Secretary
J. C. BORREGO
Deputy Secretary

Certified Mail – Return Receipt Requested

April 20, 2017

Mr. Klaus Klemmer, Wastewater Administrator
City of Las Cruces
680 N. Motel Blvd.
Las Cruces, NM 88007

Re: Jacob Hands – Las Cruces Wastewater Treatment Plant; Major; Individual Permit; SIC 4952; Compliance Evaluation Inspection; NPDES Permit NM0023311; March 21, 2017

Dear Mr. Klaus Klemmer:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and advised to modify your operational and/or administrative procedures, as appropriate. If you have comments on or concerns with the basis for the findings in the NMED inspection report, please contact us (see the address below) in writing within 30 days from the date of this letter. Further, you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

NPDES Enforcement Coordinator
Environmental Protection Agency, Region 6
NPDES Enforcement Branch (6EN-WM)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Program Manager
New Mexico Environment Department
Surface Water Quality Bureau (N2050)
Point Source Regulation Section
P.O. Box 5469
Santa Fe, New Mexico 87502

Jacob Hands – Las Cruces Wastewater Treatment Plant, NPDES # NM0023311

April 20, 2017

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David Long is USEPA Region 6's Acting NPDES Enforcement Coordinator at the above address. If you have any questions about this inspection report, please contact Jennifer Foote at (505)827-0596 or at Jennifer.Foote@state.nm.us.

Sincerely,

/s/ Sarah Holcomb

Sarah Holcomb
Program Manager
Point Source Regulation Section
Surface Water Quality Bureau

cc: Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail
David Long, USEPA (6EN-WM) by e-mail
Brent Larsen and Tung Nguyen, USEPA (6WQ-PP) by e-mail
Gladys Gooden-Jackson, USEPA (6EN-WC) by e-mail
Amy Andrews, USEPA (6EN-WM) by e-mail
David Esparza, USEPA (6EN-WM) by e-mail
Michael Kesler, NMED District III by e-mail
Lorenzo Martinez, City of Las Cruces by e-mail
Joshua Rosenblatt, City of Las Cruces by e-mail



Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5 3 N M 0 0 2 3 3 1 1 11 12 1 7 0 3 2 1 17 18 C 19 S 20 1					
Remarks					
M A J O R W W T P					
Inspection Work Days		Facility Evaluation Rating		BI QA Reserved	
67 69		70 3		71 N 72 N 73 74 75 80	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time /Date 8:10 3/21/17	Permit Effective Date November 1, 2015
LAS CRUCES – JACOB HANDS WWTP I-25 South from Santa Fe, Exit #6 (US-70), Turn right onto N Main St., Turn right onto W Picacho Ave, Left onto N Motel Avenue, Right onto West Amador. DONA ANA COUNTY	Exit Time/Date 1:20pm 3-21/17	Permit Expiration Date October 31, 2020
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Lorenzo Martinez, Plant Manager / (575)528-3599 / (575) 528-3611/ lm@las-cruces.org Joshua Rosenblatt, Regulatory and Environmental Analyst / (575) 528-3704 / (575) 528-3513 / jrosenblatt@las-cruces.org Luis J. Guerra, Lab Manager / (575)528-3604 / lguerra@las-cruces.org	Other Facility Data SIC: 4952 GPS @ Outfall 001: N. 32.29134 W -106.82413	
Name, Address of Responsible Official/Title/Phone and Fax Number Mr.Klaus Klemmer, Wastewater Administrator / kkemmer@las-cruces.org City of Las Cruces 680 N. Motel Blvd. Las Cruces, NM 88007	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	S	Flow Measurement	M	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	S	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
M	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

See attached sheets for further details.

Name(s) and Signature(s) of Inspector(s) Jennifer Foote /s/ Jennifer Foote	Agency/Office/Telephone/Fax NMED/SWQB 505-827-0596	Date 4/20/17
Signature of Management QA Reviewer Sarah Holcomb, Program Manager /s/ Sarah Holcomb	Agency/Office/Phone and Fax Numbers NMED/SWQB 505-827-2798	Date 4/20/17

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS
DETAILS:☒ S ☐ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED NO)

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE

☒ Y ☐ N ☐ NA

2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES

☐ Y ☐ N ☒ NA

3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT

☒ Y ☐ N ☐ NA

4. ALL DISCHARGES ARE PERMITTED

☒ Y ☐ N ☐ NA

SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT.
DETAILS:☒ S ☐ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED NO)

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs.

☒ Y ☐ N ☐ NA

2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE.

☒ S ☐ M ☐ U ☐ NA

a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING

☒ Y ☐ N ☐ NA

b) NAME OF INDIVIDUAL PERFORMING SAMPLING

☒ Y ☐ N ☐ NA

c) ANALYTICAL METHODS AND TECHNIQUES.

☒ Y ☐ N ☐ NA

d) RESULTS OF ANALYSES AND CALIBRATIONS.

☒ Y ☐ N ☐ NA

e) DATES AND TIMES OF ANALYSES.

☒ Y ☐ N ☐ NA

f) NAME OF PERSON(S) PERFORMING ANALYSES.

☒ Y ☐ N ☐ NA

3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE.

☒ S ☐ M ☐ U ☐ NA

4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR

☒ S ☐ M ☐ U ☐ NA

5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA.

☒ Y ☐ N ☐ NA

SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED.
DETAILS:☐ S ☒ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED YES)

1. TREATMENT UNITS PROPERLY OPERATED.

☒ S ☐ M ☐ U ☐ NA

2. TREATMENT UNITS PROPERLY MAINTAINED.

☒ S ☐ M ☐ U ☐ NA

3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED.

☒ S ☐ M ☐ U ☐ NA

4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.

☒ S ☐ M ☐ U ☐ NA

5. ALL NEEDED TREATMENT UNITS IN SERVICE.

☒ S ☐ M ☐ U ☐ NA

6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED.

☒ S ☐ M ☐ U ☐ NA

7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED.

☒ S ☐ M ☐ U ☐ NA

8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.

☒ Y ☐ N ☐ NA

STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.

☒ Y ☐ N ☐ NA

PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.

☒ Y ☐ N ☐ NA

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? ☐ Y ☒ N ☐ NA
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? ☐ Y ☐ N ☒ NA
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS? ☐ Y ☐ N ☒ NA
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? ☐ Y ☒ N ☐ NA
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT? ☐ Y ☐ N ☒ NA

SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED NO.)
 DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT. ☒ Y ☐ N ☐ NA
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES. ☒ Y ☐ N ☐ NA
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT. ☒ Y ☐ N ☐ NA
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT. ☒ Y ☐ N ☐ NA
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT. ☒ Y ☐ N ☐ NA
6. SAMPLE COLLECTION PROCEDURES ADEQUATE ☒ Y ☐ N ☐ NA
- a) SAMPLES REFRIGERATED DURING COMPOSITING. ☒ Y ☐ N ☐ NA
- b) PROPER PRESERVATION TECHNIQUES USED. ☒ Y ☐ N ☐ NA
- c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3. ☒ Y ☐ N ☐ NA
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT? ☒ Y ☐ N ☐ NA

SECTION E - FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED NO.)
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. ☒ Y ☐ N ☐ NA
 TYPE OF DEVICE 24" parshall
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED. ☒ Y ☐ N ☐ NA
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED. ☒ Y ☐ N ☐ NA
4. CALIBRATION FREQUENCY ADEQUATE. (DATE OF LAST CALIBRATION monthly) ☒ Y ☐ N ☐ NA
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES. ☒ Y ☐ N ☐ NA
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. ☒ Y ☐ N ☐ NA
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE. ☒ Y ☐ N ☐ NA
6. HEAD MEASURED AT PROPER LOCATION. ☒ Y ☐ N ☐ NA
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES. ☒ Y ☐ N ☐ NA

SECTION F - LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED YES)
 DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES) ☒ Y ☐ N ☐ NA

SECTION F - LABORATORY (CONT'D)

2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED ☐ Y ☐ N ☒ NA
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. ☒ S ☐ M ☐ U ☐ NA
4. QUALITY CONTROL PROCEDURES ADEQUATE. ☐ S ☐ M ☒ U ☐ NA
5. DUPLICATE SAMPLES ARE ANALYZED. ____ % OF THE TIME. ☐ Y ☒ N ☐ NA
6. SPIKED SAMPLES ARE ANALYZED. ____ % OF THE TIME. ☐ Y ☐ N ☒ NA
7. COMMERCIAL LABORATORY USED. ☒ Y ☐ N ☐ NA

LAB NAME

LAB ADDRESS

PARAMETERS PERFORMED

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. ☐ S ☒ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED Yes).

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	none	none	slight	slight	none	none	

RECEIVING WATER OBSERVATIONS

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA (FURTHER EXPLANATION ATTACHED NO).

DETAILS:

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. ☒ S ☐ M ☐ U ☐ NA
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. ☒ S ☐ M ☐ U ☐ NA
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: public (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED NO).

1. SAMPLES OBTAINED THIS INSPECTION. ☐ Y ☐ N ☒ NA
2. TYPE OF SAMPLE OBTAINED
GRAB _____ COMPOSITE SAMPLE ____ METHOD _____ FREQUENCY _____
3. SAMPLES PRESERVED. ☐ Y ☐ N ☒ NA
4. FLOW PROPORTIONED SAMPLES OBTAINED. ☐ Y ☐ N ☒ NA
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. ☐ Y ☐ N ☒ NA
6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE. ☐ Y ☐ N ☒ NA
7. SAMPLE SPLIT WITH PERMITTEE. ☐ Y ☐ N ☒ NA
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. ☐ Y ☐ N ☒ NA
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. ☐ Y ☐ N ☒ NA

City of Las Cruces – Jacob Hands Wastewater Treatment Plant
Compliance Evaluation Inspection
NPDES Permit No. NM0023311
March 21, 2017
Further Explanations

INTRODUCTION:

On March 21, 2017, Jennifer Foote of the New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB) conducted a Compliance Evaluation Inspection (CEI) at City of Las Cruces – Jacob Hands Wastewater Treatment Plant (WWTP)). This facility is classified as a major discharger under the federal Clean Water Act (CWA), Section 402 National Pollutant Discharge Elimination System (NPDES) permit program, and is assigned NPDES permit number NM0023311. The facility design flow is 13.5 million gallons per day (MGD). The Jacob Hands Wastewater Treatment Plant discharges into the Rio Grande Basin in Segment 20.6.4.101 (NMAC State of New Mexico Standards for Interstate and Intrastate Surface Waters). Designated uses of segment 20.6.4.101 are irrigation, marginal warmwater aquatic life, livestock watering, wildlife habitat and primary contact.

The NMED performs a certain number of inspections for the U.S. Environmental Protection Agency (USEPA), Region VI, under the NPDES permit program, in accordance with the federal Clean Water Act. USEPA uses these inspections to determine compliance with the NPDES permit program. This inspection report is based on information provided by the permittee's representatives, observations made by NMED staff, and records and reports kept by the permittee and/or NMED.

INSPECTION DETAILS:

The inspector arrived at the Jacob Hands Treatment Facility at 0810 hours and made introductions, stated the purpose of the inspection, and Ms. Foote presented credentials to Mr. Lorenzo Martinez, Plant Manager. The inspector toured the facility with Mr. Martinez and Mr. Joshua Rosenblatt, Regulatory and Environmental Analyst and then Mr. Luis Guerra provided a tour of the laboratory. An exit conference was conducted to discuss preliminary findings with Mr. Martinez, Mr. Rosenblatt, and Mr. Klaus Klemmer, Wastewater Administrator. The inspector left the facility at approximately 1:20 pm on the day of this inspection.

TREATMENT SCHEME:

Raw influent arrives at the plant from 20-30 lift stations around the city, with three submersible pumps in the primary lift station. Influent enters mechanical bar screens where large debris is removed. It then flows to the grit washer and the aerated grit remover where further debris is removed from the influent. Biofilters have been installed for odor control. It then flows to the equalization basin and then enters the primary clarifiers. There are two primary clarifiers available at this plant and as such, one clarifier is online continuously. The clarifiers are rotated every six months. From the primary clarifiers flow enters the roughing filters. There are two aeration basins after the roughing filters, the east and west basins. Final clarifiers are used prior to chlorination and dechlorination. Effluent is then released through a 24" Parshall flume to an unnamed ditch, thence the Rio Grande.

The Jacob Hands Wastewater Treatment Plant is a 13.5 MGD facility. The plant underwent an expansion in 2009 which included the installation of biofilters for odor control. The facility plans to build a new lab this year. They are currently rehabbing one of the clarifiers.

SLUDGE:

Waste Activated Sludge (WAS) is removed to the gravity thickener then to the centrifuge thickener, to the primary and secondary digesters. Solids from the East Mesa Plant are also sent to the digester at this facility. Digester gas is produced and sent to the CoGen System. Sludge is sent offsite to be composted after the belt press.

SEPTAGE RECEIVING:

This facility does not receive septage.

FINDINGS:

Section C – Operation and Maintenance – Overall Rating “Marginal”

The permit requires, in Part III, Section B.3 Proper Operation and Maintenance:

- a. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by permittee as efficiently as possible and in a manner which will minimize upsets and discharges of excessive pollutants and will achieve compliance with the*

conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

Findings for Operation and Maintenance:

- Algae was growing in the aeration basin (photo 1).
- An improvement noted since the last inspection is that a new system was installed for brushes to continuously clean algae at the clarifier (photo 2).
- During this inspection, the secondary clarifier had uneven flow over the weirs. Wastewater should be evenly dispersed across the entire cross section of the tank (photo 3).
- The visual gage on the parshall flume is damaged and unreadable, the flowmeter is calibrated monthly by facility personnel measuring flow with a ruler (photo 4).

Section G – Effluent/Receiving Waters Observations – Overall Rating of “Marginal”

Permit requires in Part I, Section A. Limitations and Monitoring Requirements:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS
	lbs/day, unless noted			mg/I, unless noted (* 1)			
POLLUTANT	30-DAY AVG	7-DAY AVG	DAILY MAX	30-DAY AVG	7-DAY AVG	DAILY MAX	MEASUREMENT FREQUENCY
Flow	Report, MGD	Report, MGD					Daily
BOD	3379	5069	NIA	30	45	NIA	Daily
BOD, minimum %	85						I/week
TSS	3379	5069	NIA	30	45	NIA	Daily
TSS, minimum %	85						I/week
E. coli bacteria (*8)	4.25 x 10 ¹⁰ cfu/day (*9)	NIA	Report	126 cfu/100	NIA	410 cfu/100 ml	Daily
TRC	NIA	NIA	NIA	NIA	NIA	11 ug/I (*4)	Daily

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
WHOLE EFFLUENT TOXICITY TESTING 7-DAY CHRONIC NOEC FRESHWATER (*5)	30-DAY AVG	7-DAY MINIMUM	MEASUREMENT FREQUENCY (*6)	SAMPLE TYPE
Ceriodaphnia dubia	Report	Report	I/Quarter	24-hr Composite
Pimephales promelas	Report	Report	I/Quarter	24-hr Composite

Findings for Effluent/Receiving Waters Observations:

Since the last inspection, the permittee had the following exceedances reported on the DMRs as follows:

- E. coli exceedances 10/23/16, 12/16/16, 2/9/17, 2/18/17
- TRC exceedance 2/9/17
- 30day TSS Exceedance February 2017

In addition, there were WET Test sublethal chronic failures during March 2016, December 2016, and February 2017. On March 30, 2017 the facility notified EPA and NMED that they would be submitting a TRE Plan.

**NMED/SWQB
Official Photograph Log
Photo # 1**

Photographer: J. Foote

Date: 3/21/17

Time: abt 10 am

City/County: Las Cruces/Dona Ana County

State: New Mexico

Location: Jacob Hands WWTP

Subject: algae growing on aeration basins



**NMED/SWQB
Official Photograph Log
Photo # 2**

Photographer: J. Foote

Date: 3/21/17

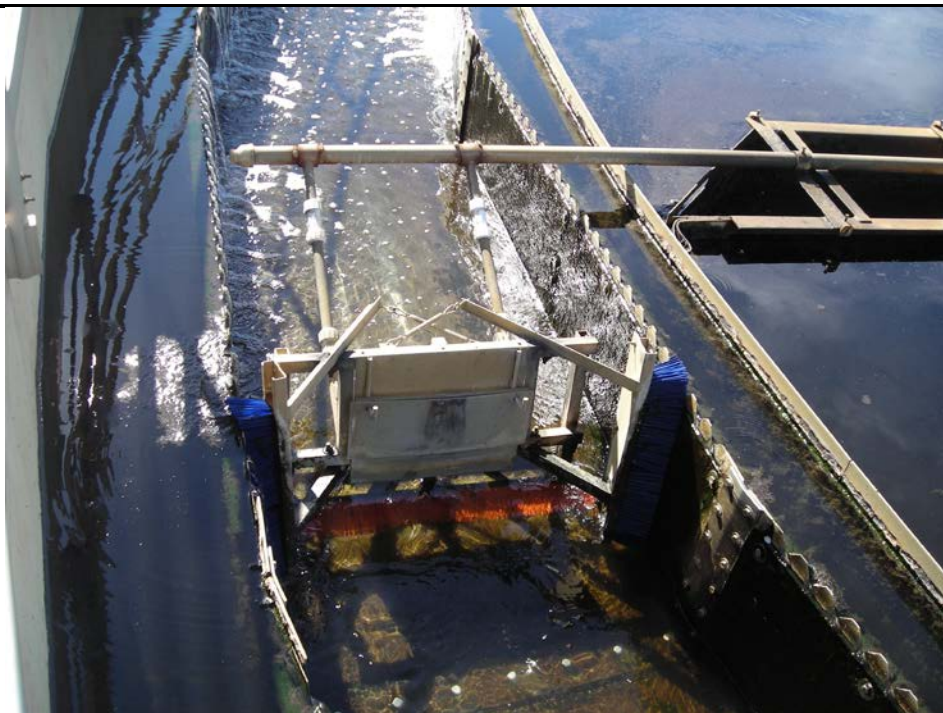
Time: abt 10 am

City/County: Las Cruces/Dona Ana County

State: New Mexico

Location: Jacob Hands WWTP

Subject: brushes to clean algae



NMED/SWQB Official Photograph Log Photo # 3		
Photographer: J. Foote	Date: 3/21/17	Time: abt 10 am
City/County: Las Cruces/Dona Ana County		State: New Mexico
Location: Jacob Hands WWTP		
Subject: uneven flow from clarifier		



NMED/SWQB Official Photograph Log Photo # 4		
Photographer: J. Foote	Date: 3/21/17	Time: abt 10 am
City/County: Las Cruces/Dona Ana County		State: New Mexico
Location: Jacob Hands WWTP		
Subject: parshall flume		



**NMED/SWQB
Official Photograph Log
Photo # 5**

Photographer: J. Foote

Date: 3/21/17

Time: abt 10 am

City/County: Las Cruces/Dona Ana County

State: New Mexico

Location: Jacob Hands WWTP

Subject: discharge at Rio Grande

